95.05.25 95JP-150827 (96.12.03) C10M 161/00, 139/00 (C10M 129:10, 129:54, 135:10, 135:30, 139:00, 149:18, 161/00) (C10N 10:04, 30:00, 40:04)

Lubricating oil compsn. for automatic transmission of automobiles with traction control - contains organic acid metal salt of alkaline earth metal and polyamide-based cpd., giving high durability and transmission torque

C97-023721

Addnl. Data: TONEN CORP (TOFU)

The lubricating oil base oil contains 0.02-1 wt.% of at least one cpd. selected from the organic acid metal salts of formulae (I)-(VII);

A(5-F1E, 12-T4, 12-W2A) E(10-A4A, 10-A9B, 10-C4B) H(7-A)

JP 08319494-A+

$$R_1$$
 R_2
 R_3
 R_3

(III)

and 0.01-3 wt.% of a polyamide-based cpd. of formula (VIII):

 R_5 - $\{C(O)R_4C(O)NH(CH_2)_aNH\}_b$ - R_6 (VIII)

where M = alkaline earth metal;

 $R_1 = 6-18$ C hydrocarbon gp.;

 R_2 and $R_3 = H$ or 1-18 C hydrocarbon gp.;

x = 1-5;

 $R_4 = 12-50 \text{ C}$ hydrocarbon gp.;

JP 08319494-A+/1

97-073244/07

 $R_5 = OH \text{ or } H_2N(CH_2)_cNH \text{ gp.};$

 $R_6 = H$, or HOOCR₇CO gp.;

a = 2-6; b = 1-10; c = 2-6; and

 $R_7 = 12-50$ C hydrocarbon gp..

USE

The oil compsn. for an automatic transmission is suitable for an automobile having traction control.

ADVANTAGE

Even if an automatic transmission having traction control and using the lubricating oil compsn. actuates a lock-up mechanism at low speed, the automatic transmission has shudder vibration preventing performance for new oil, superior durability, and high transmission torque capacity without decreasing the shudder vibration preventing performance after continuous application. (NA) (13pp215DwgNo.0/0)

H0063